# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

RECEIVED MAR 2 4 2017

PART D-VI: LAN	D APPLICATI	ON AGREEM	ENT - BIO	SOLIDS AND	INDUSTRIA	AL RESIDUALS	- B!
A. This land applicat "Landowner", and Huuntil it is terminated the event of a sale oidentified in this agreto receive biosolids of	ouff's Feed & Fein writing by either fone or more perment changes	ner party or, wit arcels, until ow s. those parcels	h respect to nership of al	those parcels the parcels change the parcels change the parcels change the change the change the parcels are changed to the parcel are chan	nat are retain	ed by the Landow	ner in
Landowner: The Landowner is the the agricultural, silvid attached as Exhibit A	e owner of reco	rd of the real n	roperty locat	ed in Packhrida	<u>e County</u> , Vi identified on	rginia, which includ the tax map(s)	des
Table 1.: Parc	els authorized t	o receive bioso	lids, water tr	eatment residua	als or other in	dustrial sludges	
Tax Parcel ID		Tax Parcel ID		Tax Parcel ID		Tax Parcel ID	
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39-A-121 A						5 - 44	
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Additional paragle sector							1
Additional parcels contain							
Check one:	☐ The Landow  ✓ The Landow	ner is the sole	owner of the	properties ider	itified herein.		
In the event that the I within 38 months of to 1. Notify the pulater than the 2. Notify the Pe	rchaser or trans date of the pro	feree of the approperty transfer	ication, the L plicable publ and	andowner shall ic access and c	: rop manager	s have been applie	
The Landowner has r notify the Permittee ir for application or any incorrect.	nmediately if co	inditions chang	e such that t	he fields are no	longer avoils	ship to the December	ll ee
The Landowner herel agricultural sites iden inspections on the lar purpose of determinir	uned above and nd identified abo ng compliance v	I In Exhibit A.  Ive, before, dur  with regulatory r	The Landowr ing or after la equirements	ner also grants pand application applicable to s	permission for	r DEQ staff to con	duct
Class B biosolids  ✓ Yes □ No	Water treatme ✓ Yes □ N		Food proc ✓ Yes	essing waste  D No	Other indu ✓ Yes	ustrial sludges □ No	
Janet R. Clemmer Landowner – Printed Nan	ne, Title	K(Le) Signature	nmer	76 Pleasa	nt Valley Rd Mailing Addre	, Raphine, VA 244	<u>72</u>
Permittee: Houff's Feed & Fertilizer manner authorized by th plan prepared for each l	e vra Pellilik Ke	idulation and in a	imounts not to	evened the reter	idontifical in a		nent
The Permittee agrees to specifically prior to any p	notify the Lando	wner or the Land	owner's desig	nee of the propos	end echadula f	or land application -	nd olied
☐ I reviewed the docum document(s) available to	ent(s) assigning s	signatory authorit	v to the nerso	n signing for land	ourner above	Lugill mealer	f this
		01/1				•	
Timothy J. Grove	Tim	Soft-		97 Railsid	le Drive. We	vers Cave, VA 24	1486
Permittee - Authorized Re	epresentativé	\$ighature			Mailing Addres		700

Printed Name

Permittee: Houff's Feed & Fertilizer

County or City: Rockbridge

Landowner: Janet R. Clemmer

### Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

### Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

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Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.

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- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
  nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
  Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature Rev 9/14/2012 2/25/16 Date

Page 2 of 2

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

MAR 2 4 2017

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 24/16 between \_James R. Clemmer, referred to here as "Landowner", and Houff's Feed & Fertilizer, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

The Landowner is the owner of record of the real property located in Rockbridge County, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

		vater treatment residuals or ot	no moderna sidages
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
39-A-72D	The second secon	A A NOTE OF A TOWN THE A STATE OF	TUX TUROUTE
39-A-121A	Administration of the	The state of the s	
	10 Miles	Annual Control of the	
No. of Contract of	and the last open and the last		

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$\cup$	nec	ΚI	on	e.

- ☐ The Landowner is the sole owner of the properties identified herein.
- The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

- 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer, and
- Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids ✓ Yes □ No	Water treatme ✓ Yes □ N		Food pro ✓ Yes	cessing waste  □ No	Other indu ✓ Yes	ustrial slud □ No	ges
James R. Clemmer	Jan	uz P. Ve	·	76 Dlease	ent Valloy De	Dankins	VA 04470
Landowner - Printed Nar	ne, Title	Signature		10 Flease	ant Valley Rd Mailing Addre		VA 24472
Darmittee:	- J						

Houff's Feed & Fertilizer, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Timothy J. Grove Permittee – Authorized Representative Signature Printed Name	97 Railside Drive, Weyers Cave, VA 2448 Mailing Address
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Permittee: Houff's Feed & Fertilizer

County or City: Rockbridge

Landowner: James R. Clemmer

## **Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

### 2. Public Access

 Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols:

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Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.

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- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
  nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
  Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Rev 9/14/2012

2-24-3016 Date

Page 2 of 2



**Disclaimer:** The information contained on this page is NOT to be construed or used as a survey or legal description. Map information is believed to be accurate but accuracy is not guaranteed.

Approx. Scale 1:4815 0 401 ft 802 ft

0390000A0000121A

Parcel ID:

39-A-121A

INITIAL: MRECNO:

HTL 19574

Owner: Address 2: CLEMMER JAMES R & JANET R 76 PLEASANT VALLEY RD

City:

RAPHINE

State: Zipe Code: VA 24472

Acres:

Description: GREENE 719

Occupancy:

10

Layer: Parcels

Improvements: Land Value:

Total Value: 16 Digit ID:

Shape\_Leng: MINNO\_:

MINNO2: Instrument Number:

Shape.STArea(): Shape.STLength(): 1721.2064319 1772 16

71000

52500

123500

160001772 174510.3476

174510.34765625 1721.2064319021

Attributes at point: 11264127, 3852519

Layer: Magisterial Districts District: South River

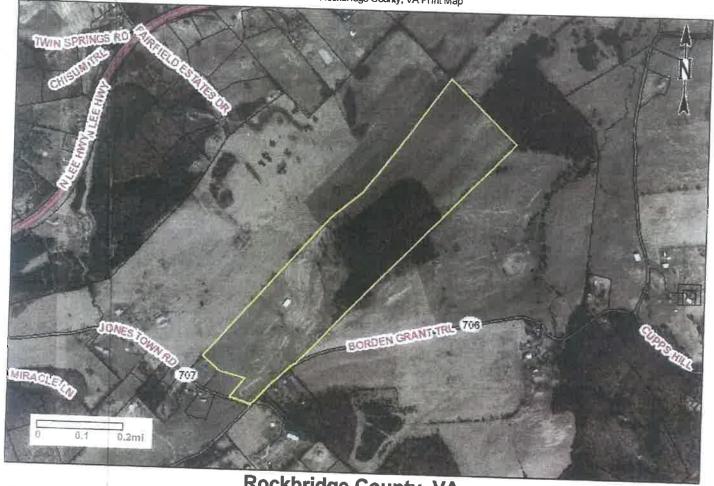
Precinct: Fairfield
Polling Place: South River Fire Dept.

Layer: USDA Watersheds Watershed: South River Stream: Upper South River Layer: Zoning Zoning: A-2

ACRES: 195739.776

Notes:

10-11



Rockbridge County, VA

Disclaimer: The information contained on this page is NOT to be construed or used as a survey or "legal description". Map information is believed to be accurate but accuracy is not guaranteed.

### **CLEMMER Tax Map Parcels**

Parcel ID: 39-A-72D

Owner: CLEMMER JAMES R AND JANET R Address 1: 76 PLEASANT VALLEY RD

City: RAPHINE State: VA Zip Code: 24472 Acres: 107

**Description: BROWN 707** 

Occupancy: 15 Improvements: 95100 Land Value: 349500

Total Value: 444600 Deed Book: 586

Deed Page: 304 Will Page: 0

16 Digit ID: 0390000A0000072D Instrument Number: 000000000

**MRECNO: 16649** 

# Attributes at point: N: 3849052, E: 11267289

Magisterial Districts

District:

South River

Precinct:

Fairfield

Polling Place: South River Fire Dept.

Zoning

Zoning: A-2

**USDA Watersheds** 

Watershed: South River

Stream:

Upper South River

nttp://www.webgis.net Anderson & Associates, Inc. http://www.andassoc.com

22A,22B,23,24,25,26,27,28

## **Landowner Coordination Form**

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Houff's Feed & Fertilizer

County or City: Rockbridge

Please Print	(Signatures not required on this page
Tax Parcel ID(s)	Landowner(s)
39-A-72D	James R. Clemmer
39-A-72D	Janet R. Clemmer
39-A-121A	James R. Clemmer
39-A-121A	Janet R. Clemmer
·	

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPI	LICATION AGREEMENT	- BIOSOLIDS AND IND	USTRIAL RESIDUALS
energranding it is fellilligied to	ouff's Feed & Fertilizer, réfe writing by either party or, w sale of one or more parcels n this agreement changes	erréd to here as the "Permit vith respect to those parcels s, until ownership of all parc those parcels for which own	els changes. If ownership of
Landowner: The Landowner is the owner the agricultural, silvicultural cattached as Exhibit A.	of record of the real proper or reclamation sites identifie	rty located in <u>Rockbridge Co</u> ed below in <b>Table 1 and ider</b>	ounty, Virginia, which includes ntified on the tax map(s)
Table 1.: Parcels auth	orized to receive biosolids,	water treatment residuals o	r other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
39-A-121			
		AND Vigor	
	Amongs.	AV RE-APPRIL	N.
Additional parcels containing Land	Application Sites are identified an	Cumplement A (about 17 a. 15 at 1	
	Landowner is the sole own Landowner is one of multip	er of the properties identified le owners of the properties	d herein. identified herein
In the event that the Landow within 38 months of the lates 1. Notify the purchaser later than the date of	ner sells or transfers all or p t date of biosolids application or transferee of the applica the property transfer: and	part of the property to which	biosolids have been applied management restrictions no
The Landowner has no other notify the Permittee immediat for application or any part of tincorrect.	agreements for land applic	ation on the fields identified	herein. The Landowner will
The Landowner hereby grant agricultural sites identified ab inspections on the land identi purpose of determining comp	ove and in Exhibit A. The L fied above, before, during a	andowner also grants perm	nission for DEQ staff to conduct
Class B biosolids Water ✓ Yes □ No ✓ Yes	treatment residuals Fo	od processing waste O	other industrial sludges Yes □ No
The Greene Farm, LLC Landowner – Printed Name, Title	Signature	221 123 Foxwoo	od Lane, Mt. Sidney, VA 24467
Permittee: Houff's Feed & Fertilizer, the Permanner authorized by the VPA Pplan prepared for each land appli	mittee, agrees to apply biosoli ermit Regulation and in amou	ds and/or industrial residuals o	n the Landowner's land in the
The Permittee agrees to notify the	e Landowner or the Landowne	er's designee of the proposed s	
☐ I reviewed the document(s) as document(s) available to DEQ for	signing signatory authority to t	he person signing for landown	or above theill make a serve state
	11/		
Timothy J. Grove	frank Astron	97 Railside D	rive, Weyers Cave, VA 24486
Permittee – Authorized Representat Printed Name	ive Signature		ling Address

Permittee: <u>Houff's Feed & Fertilizer</u> County or City: <u>Rockbridge</u>

Landowner: The Greene Farm LLC

## **Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

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### 2. Public Access

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- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
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- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature
Rev 9/14/2012

Date

224-16

Page 2 of 2



Rockbridge County, VA

Disclaimer: The information contained on this page is NOT to be construed or used as a survey or 'legal description'. Map information is believed to be accurate but accuracy is not guaranteed.

### **CLEMMER Tax Map Parcels**

Parcel ID: 39-A-121:

Owner: THE GREENE FARM LLC Address 2: 123 FOXWOOD LANE

City: MT SIDNEY State: VA

Zip Code: 24467

Acres: 208.1000061

Description: GREENE 719

Occupancy: 10

Improvements: 130900

Land Value: 283600

Total Value: 414500

Deed Page: 0 Will Page: 0

16 Digit ID: 0390000A00001210

Instrument Number: 090001572

**MRECNO: 3305** 

Attributes at point: N: 3853296, E: 11263913

### **Magisterial Districts**

District:

South River

Precinct:

Fairfield

Polling Place: South River Fire Dept.

### Zoning

Zoning: A-2

### **USDA Watersheds**

Watershed: South River

Upper South River Stream:

http://www.webpis.nst Anderson & Associates, Inc. http://www.andessoc.com

1,2,3,4,5,6,7,8,9,10,11,12,B,14,15,16A,16B,7A,17B PARTIAL 18H, 18B

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLI	CATION AGREEME	NT - BIOSOLIDS AND IN	NDUSTRIAL RESIDUALS
the Landowner in the event of	er", and <u>Houff's Feed 8</u> ninated in writing by eit a sale of one or more this agreement chappy	theruffizer, referred to here a there party or, with respect to parcels, until ownership of a those parcels for which	gler-Southington Associates II, as the "Permittee". This agreement those parcels that are retained by all parcels changes. If ownership of ownership has changed will no ment.
Landowner:	of record of the real pro	nerty located in Rockhridge	County Vissinia subject to the
Table 1.: Parcels author	rized to receive biosolic	ds, water treatment residuals	s or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
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	w months side	- College Control of C	
Additional parcels containing Land A	onlication Sites are identified	on Cundom the Art of the	
1110 2	andowner is the sole o andowner is one of mu	wner of the properties identi Itiple owners of the propertie	fied herein.
In the event that the Landowne within 38 months of the latest of 1. Notify the purchaser of later than the date of the latest of	er sells or transfers all of date of biosolids applica r transferee of the appl the property transfer; ar	or part of the property to whi ation, the Landowner shall: icable public access and cre	ch biosolids have been applied op management restrictions no
The Landowner has no other a	greements for land ap	plication on the fields identifi	ed herein. The Landowner will
purpose of determining complia	ve and in Exhibit A. The ed above, before, during ance with regulatory re	ie Landowner also grants pe	ermission for DEQ staff to conduct
Class B biosolids  ✓ Yes □ No ✓ Yes	eatment residuals ☐ No	Food processing waste ✓ Yes □ No	Other industrial sludges  ✓ Yes □ No
Koogler-Southington Associate Landowner – Printed Name, Title	Signature		Suite 101, Stuarts Draft, VA 24477 Mailing Address
Permittee: Houff's Feed & Fertilizer, the Perm manner authorized by the VPA Per plan prepared for each land applica	mir veonignou and in am	INITED TO EVERAL THE PARTY IN	doptified in the matricet access as
The Permittee agrees to notify the	Landowner or the Landov	wher's designee of the propose	d schedule for land application and the source of residuals to be applied.
☐ I reviewed the document(s) assi document(s) available to DEQ for r	gning signatory authority	to the person signing for lando	mor shows I will — the control of the
	-111		
Timothy J. Grove Permittee – Authorized Representation	e Signature		Drive, Weyers Cave, VA 24486 Mailing Address

Permittee: <u>Houff's Feed & Fertilizer</u> County or City: <u>Rockbridge</u>

Landowner: Koogler-Southington Associates II

# **Landowner Site Management Requirements:**

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- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

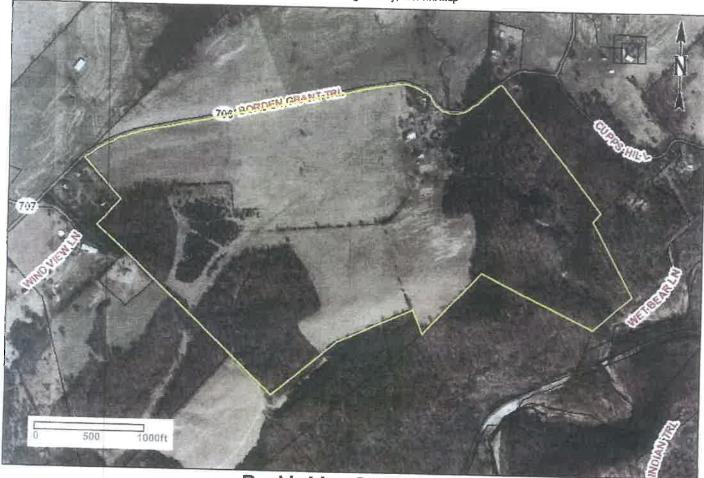
Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
  nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
  Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

Rev 9/14/2012



Rockbridge County, VA

Disclaimer: The information contained on this page is NOT to be construed or used as a survey or 'legal description'. Map information is believed to be accurate but accuracy is not guaranteed.

## CLEMMER Tax Map **Parcels**

Parcel ID: 40-A-12

Owner: KOOGLER-SOUTHERINGTON ASSOC II Address 2: 31 HIGHLAND HILL LN SUITE 101

City: STUARTS DRAFT

State: VA **Zip Code: 24477**  Acres: 377.8999939 Description: WILSON 706

Occupancy: 10

Improvements: 209200

Land Value: 955900 Total Value: 1165100

Deed Book: 0420

Deed Page: 125 Will Page: 0

16 Digit ID: 0400000A00000120 Instrument Number: 000000000

**MRECNO: 3483** 

# Attributes at point: N: 3846734, E: 11268989

**Magisterial Districts** 

District:

South River

Precinct:

Fairfield

Polling Place: South River Fire Dept.

Zoning

Zoning: A-2

**USDA Watersheds** 

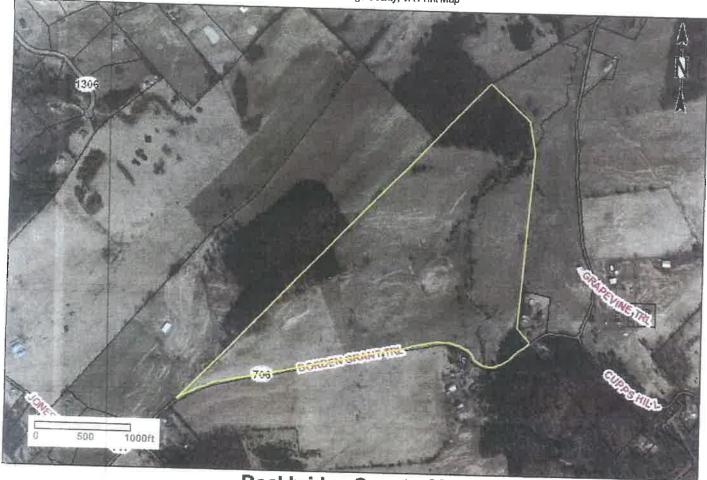
Watershed: South River

Stream:

Upper South River

http://www.vebgis.nel Anderson & Associates, Inc. http://www.andessoc.com

K-A K-B K-C K-D



Rockbridge County, VA

Disclaimer: The information contained on this page is NOT to be construed or used as a survey or 'legal description'. Map information is believed to be accurate but accuracy is not guaranteed.

CLEMMER Tax Map

# **Parcels**

Parcel ID: 40-A-12

Owner: KOOGLER-SOUTHERINGTON ASSOC II Address 2: 31 HIGHLAND HILL LN SUITE 101

City: STUARTS DRAFT

State: VA Zip Code: 24477 Acres: 377,8999939

Description: WILSON 706

Occupancy: 10 Improvements: 209200 Land Value: 955900

Total Value: 1165100 Deed Book: 0420

Deed Page: 125 Will Page: 0

16 Digit ID: 0400000A00000120 Instrument Number: 000000000

**MRECNO: 3483** 

# Attributes at point: N: 3849223, E: 11268388

**Magisterial Districts** 

District: South River Precinct: Fairfield

Polling Place: South River Fire Dept.

Zoning

Zoning: A-2

**USDA Watersheds** 

Watershed: South River

Stream:

Upper South River

http://www.yabgis.net Anderson & Associates, Inc. http://www.andassoc.com

KP-1 KP-2

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

NW 5/17

PART D-VI: LAND APP	LICATION AGREEMENT	- BIOSOLIDS AND IN	IDUSTRIAL RESIDUALS
as "Landowner", and Houff effect until it is terminated i Landowner in the event of individual parcels identified	n writing by either party or, will a sale of one or more parcels.	o here as the "Permittee th respect to those parce until ownership of all pa	arcels changes. If ownership of
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real propert or reclamation sites identified	y located in <u>Rockbridge</u> I below in Tablé 1 and id	County, Virginia, which includes dentified on the tax map(s)
Table 1.: Parcels aut	horized to receive biosolids, v	ater treatment residuals	or other industrial sludges
Tax Parcel ID 39-A-19	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
	d Application Sites are identified on S	upplement A (check if applica	ble)
Check one: ✓ The	e Landowner is the sole owne e Landowner is one of multiple	r of the properties identi	fied herein.
1. Notify the purchase later than the date of 2. Notify the Permittee.  The Landowner has no other notify the Permittee immediation or any part of incorrect.	or the property transfer; and tof the sale within two weeks or agreements for land applica ately if conditions change suc f this agreement becomes invi-	le public access and cro following property transf tion on the fields identifi In that the fields are no lo alid or the information he	ed herein. The Landowner will onger available to the Permittee erein contained becomes
inspections on the land iden purpose of determining com	tified above, before, during or pliance with regulatory require	andowner also grants pe after land application of ements applicable to suc	ermission for DEQ staff to conduct f permitted residuals for the ch application.
Class B biosolids Wate  ✓ Yes □ No ✓ Yes	r treatment residuals Foo	es □ No	Other industrial sludges  ✓ Yes □ No
Nellie V. Fitzgerald Landowner – Printed Name, Titlé	Signature		prings Road, Raphine, VA 24472 Mailing Address
plan prepared for each land ap	Permit Regulation and in amount plication field by a person certified	is not to exceed the rates in in accordance with §10.1	
The Permittee agrees to notify a specifically prior to any particular to any particular to the prior to any particular to the prior to	the Landowner or the Landowner ar application to the Landowner's	's designee of the propose land. Notice shall include	d schedule for land application and the source of residuals to be applied.
☐ I reviewed the document(s) a		e nerson signing for lando	wood above. I will make a come of this
Time the L Occur	21/1		
Timothy J. Grove Permittee – Authorized Represent	ative / Signature		Drive, Weyers Cave, VA 24486 Mailing Address

Permittee: Houff's Feed & Fertilizer County or City: Rockbridge

Landowner: Nellie V. Fitzgerald

## Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia:
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Rev 9/14/2012

Page 2 of 2

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

				_	0'10	17
PART D-VI: LAND APPL	ICATION AGREE	MENT - BIO	SOLIDS AND	INDUSTRIA	L RESIDUALS	S
A. This land application agre as "Landowner", and <u>Houff's</u> effect until it is terminated in Landowner in the event of a individual parcels identified in longer be authorized to recei	ement is made on	z/25//6 erred to here or, with resp earcels, until orges, those n	between Nas the "Permitte ect to those parewership of all	Nellie V. Fitzgo ee". This agro rcels that are parcels chang	erald, referred to eement remains retained by the	here in
Landowner: The Landowner is the owner the agricultural, silvicultural o attached as Exhibit A.	of record of the real	oronarty locat	ed in Pookhrida	a County Vi	ginia, which incl the tax map(s)	udes
Table 1.: Parcels author	orized to receive bios	olids, water tr	eatment residua	als or other in	dustrial sludges	
<u>Tax Parcel ID</u> 39-A-19	Tax Parcel ID		Tax Parcel ID		Tax Parcel ID	
Additional parcels containing Land A	Application Sites are identif	ied on Suppleme	ent A (check if appli	cable)		<del></del>
▼ Inei	_andowner is the sole _andowner is one of r	nultiple owne	rs of the proper	ties identified	herein.	
In the event that the Landown within 38 months of the latest  1. Notify the purchaser of later than the date of 2. Notify the Permittee of	or transferee of the ap the property transfer	pplication, the Lopplicable publicable	andowner shall ic access and c	: rop managen		
The Landowner has no other a notify the Permittee immediate for application or any part of the incorrect.	agreements for land a	application or	the fields ident	ified herein. T	lada da di 🖨 🕒 🧸	will ittee
The Landowner hereby grants agricultural sites identified about inspections on the land identified purpose of determining completions.	ied above, before, du iance with regulatory	ring candowi ring or after la requirements	ner also grants pand application applicable to s	permission for of permitted r uch application	DEQ staff to co esiduals for the	onduct
Class B biosolids	reatment residuals ☐ No	Food proc ✓ Yes	essing waste □ No	Other indu  ✓ Yes	strial sludges □ No	
Nellie V. Fitzgerald _andowner – Printed Name, Title	Mallie Jak	Janner Danmer	217 Twin	Springs Road Mailing Addres	I, Raphine, VA 2 s	<u>24472</u>
Permittee:  Houff's Feed & Fertilizer, the Permittee  manner authorized by the VPA Perplan prepared for each land applied	nittee, agrees to apply b ermit Regulation and in	piosolids and/o	r industrial residu	r faller and SEC at all 2 is 12 is	4 * 4	ne .
plan prepared for each land applic	ation field by a person	certified in acc	ordance with §10	.1-104.2 of the	e nutrient manage Code of Virginia	ement
The Permittee agrees to notify the specifically prior to any particular a	Landowner or the Landopplication to the Lando	downer's desig wner's land. N	nee of the propos lotice shall includ	sed schedule for e the source of	r land application residuals to be a	pplied.
☐ I reviewed the document(s) ass focument(s) available to DEQ for	igning signatory authori	ity to the perso	n cianina for land	ournes eberes	Landin I	of this
	11					
<u>"imothy J. Grove</u> Permittee – Authorized Representati	Simula A		97 Railsio	de Drive, Wey	ers Cave, VA	24486
Printed Name	ve / Signature			Mailing Address	3	

Rev 9/14/2012

Permittee: Houff's Feed & Fertilizer County or City: Rockbridge

Landowner: Nellie V. Fitzgerald

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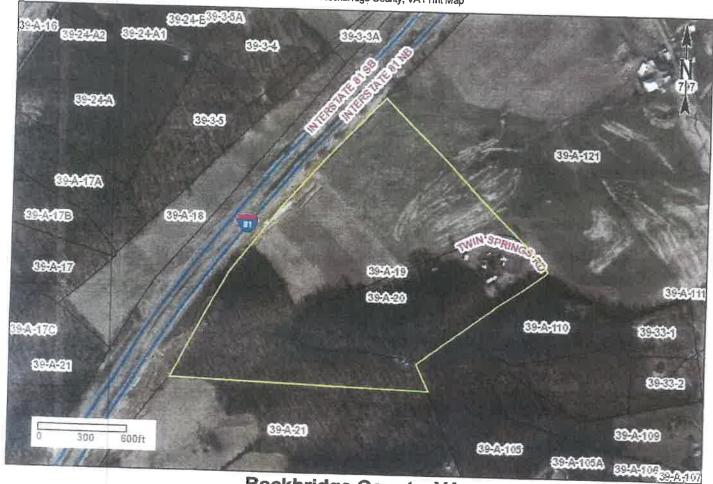
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Mallie F.	Thornald	ley	0)	Commo	PaA	2-25	i i
Landowner's Signature	ans	1				Date	16
Doy 0/44/0040						Date	

Rev 9/14/2012



Rockbridge County, VA

Disclaimer: The information contained on this page is NOT to be construed or used as a survey or 'legal description'. Map information is believed to be accurate but accuracy is not guaranteed.

### **CLEMMER Tax Map Parcels**

Parcel ID: 39-A-19

Owner: FITZGERALD THEODORE D & NELLIE V

Address 2: 217 TWIN SPRINGS RD

City: RAPHINE State: VA Zip Code: 24472 Acres: 20.47999954

Description: ADJ J M GREENE

Occupancy: 15

Improvements: 185000 Land Value: 178200

Total Value: 363200

Deed Book: 285

Deed Page: 494 Will Page: 0

16 Digit ID: 0390000A00000190 Instrument Number: 090000136

MRECNO: 3193

# Attributes at point: N: 3851803, E: 11261401

**Magisterial Districts** 

District:

South River

Precinct:

Fairfield

Polling Place: South River Fire Dept.

Zoning

Zoning: A-2

**USDA Watersheds** 

Watershed: South River

Stream:

Upper South River

http://www.webgis.net Anderson & Associates, Inc. http://www.andassoc.com

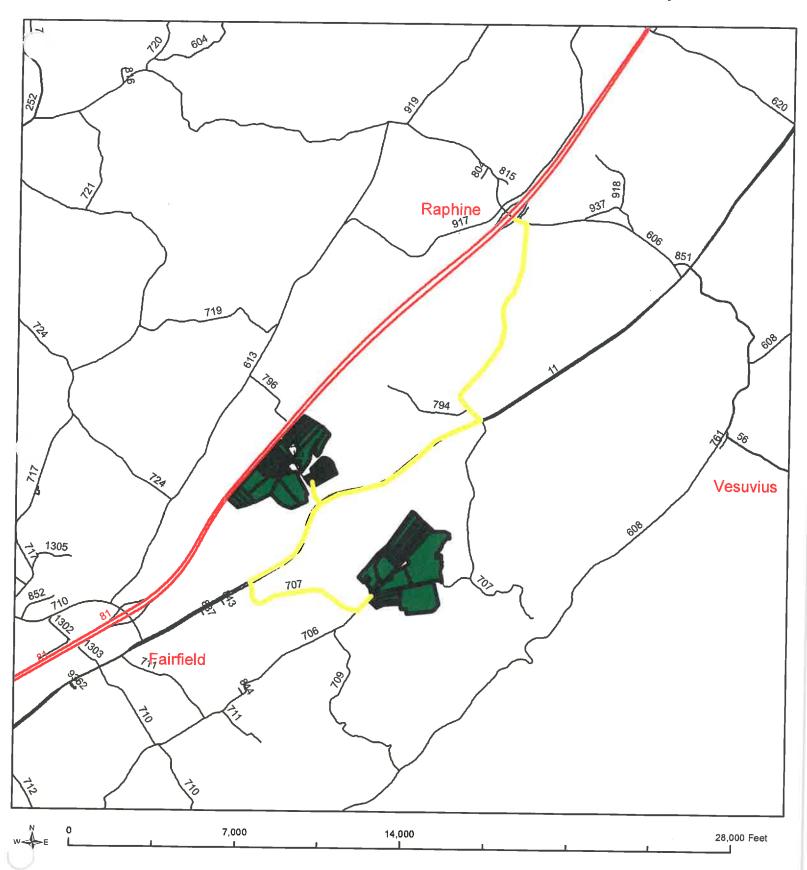
PARTIAL 1814, 1813 19,20,21

Site: CLEMMER

Owner: Richard and Janet Clemmer, Samuel Koogler, Joseph Greene and Nellie Fitzgerald

Operator: Richard Clemmer

**General Location Map** with Primary Haul Route

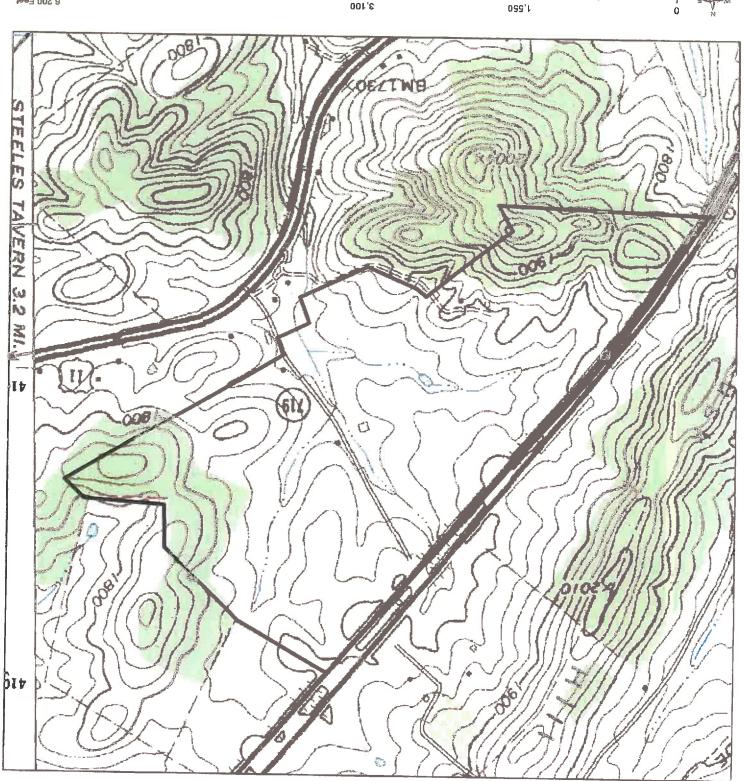






Fields 1-21 Topographic Map

Owner: Richard and Janet Clemmer, Samuel Koogler, Joseph Greene and Nellie Fitzgerald Operator: Richard Clemmer Site: CLEMMER



3,100



6,200 Feet

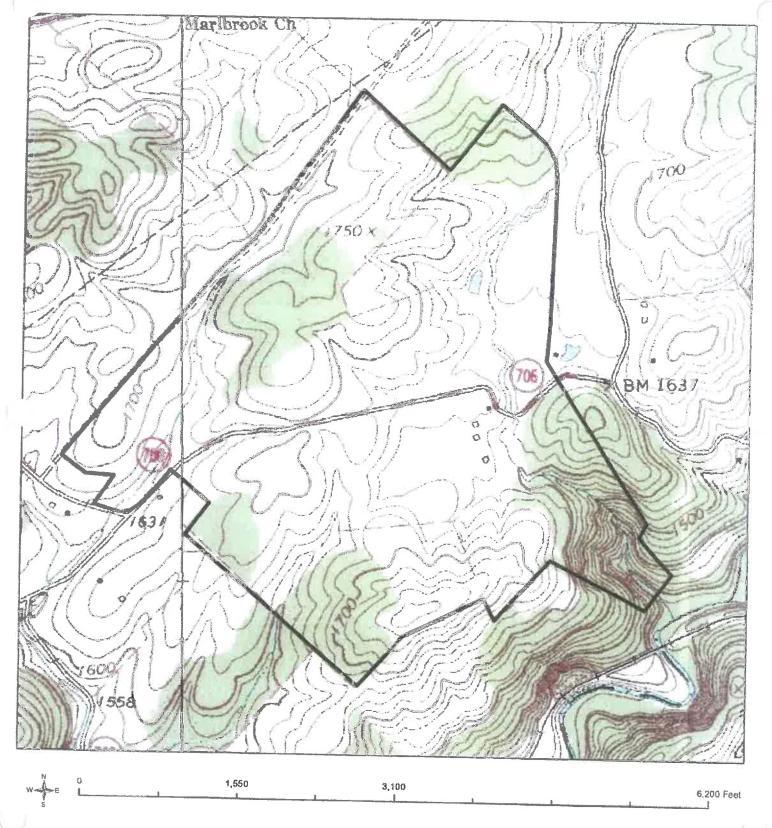


Site: CLEMMER

Owner: Richard and Janet Clemmer, Samuel Koogler,

Joseph Greene and Nellie Fitzgerald

Pperator: Richard Clemmer





Soils Map Fields 1-21





Soils Map Fields 22 - KP-2







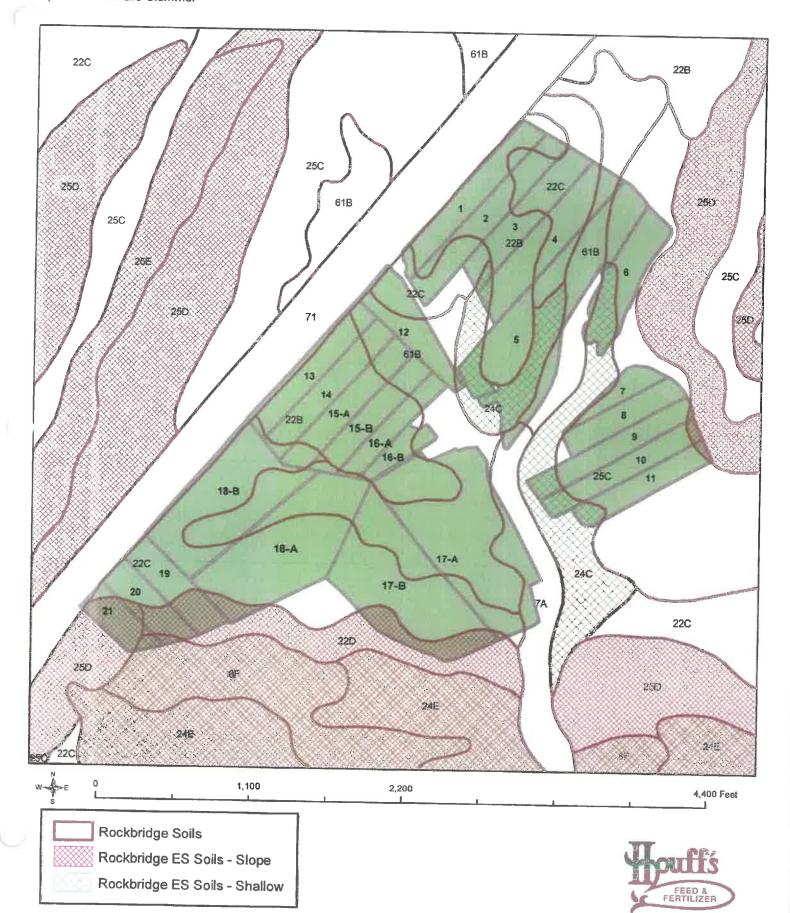
Site: CLEMMER

Owner: Richard and Janet Clemmer, Samuel Koogler,

Joseph Greene and Nellie Fitzgerald

Operator: Richard Clemmer

Sensitive Soils Map Fields 1-21



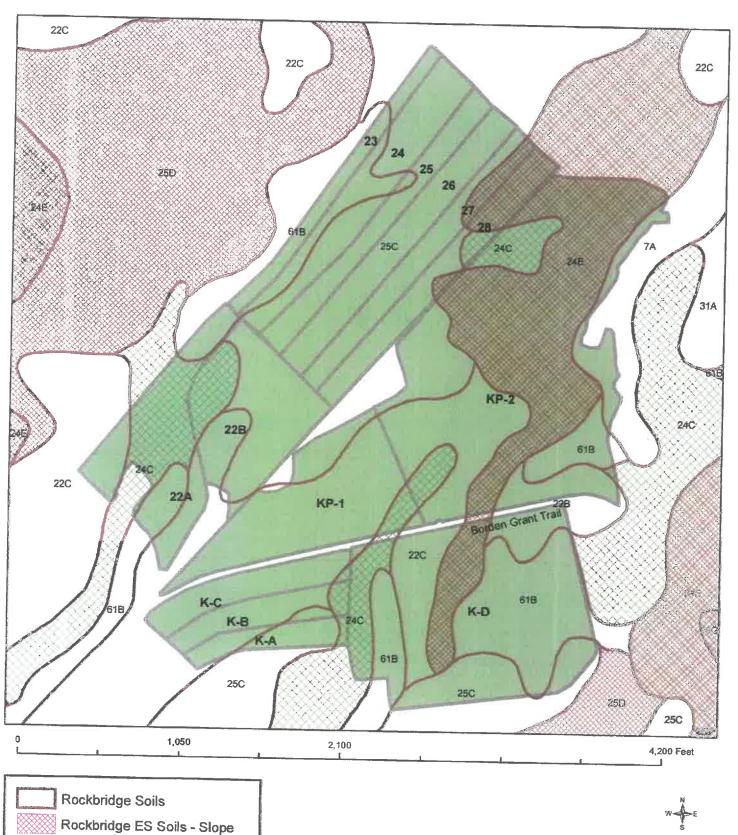
Site: CLEMMER

Owner: Richard and Janet Clemmer, Samuel Koogler,

Joseph Greene and Nellie Fitzgerald

Rockbridge ES Soils - Shallow

Operator: Richard Clemmer

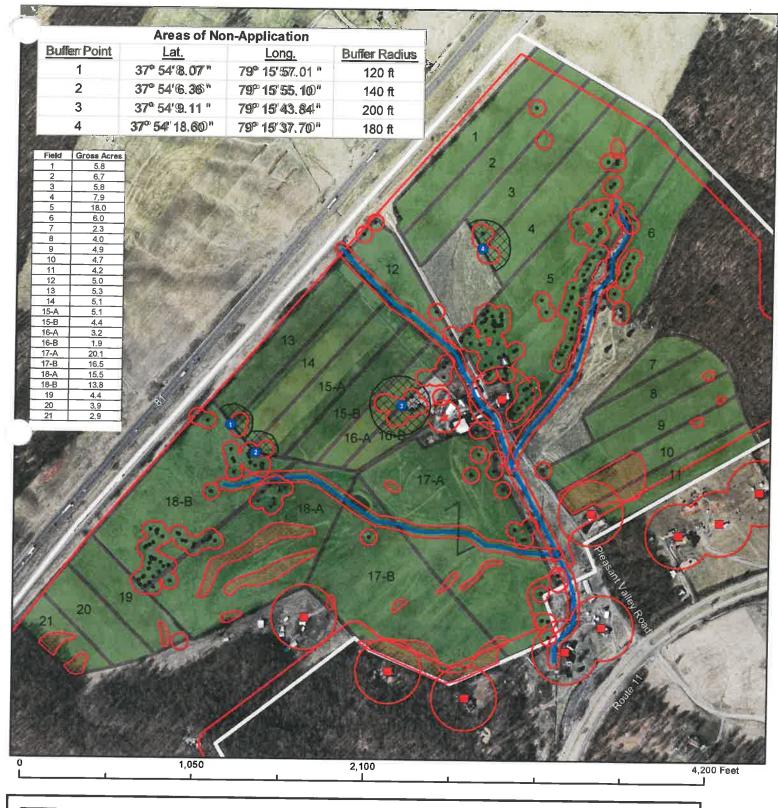


Owner: Richard and Janet Clemmer, Samuel Koogler,

Joseph Greene and Nellie Fitzgerald

Operator: Richard Clemmer

Site Map Fields 1-21



No-App. areas with with buffer reference point

▲ CLEMMER Wells (100 ft buffer)

CLEMMER Houses (200 ft buffer)

CLEMMER Intermittent Streams (100 ft buffer, 35 ft vegetated)

CLEMMER Streams (100 ft buffer, 35 ft vegetated)

CLEMMER Steep Land

CLEMMER Rocks (50 ft buffer)
 CLEMMER Property Lines (100 ft buffer)

CLEMMER Fields



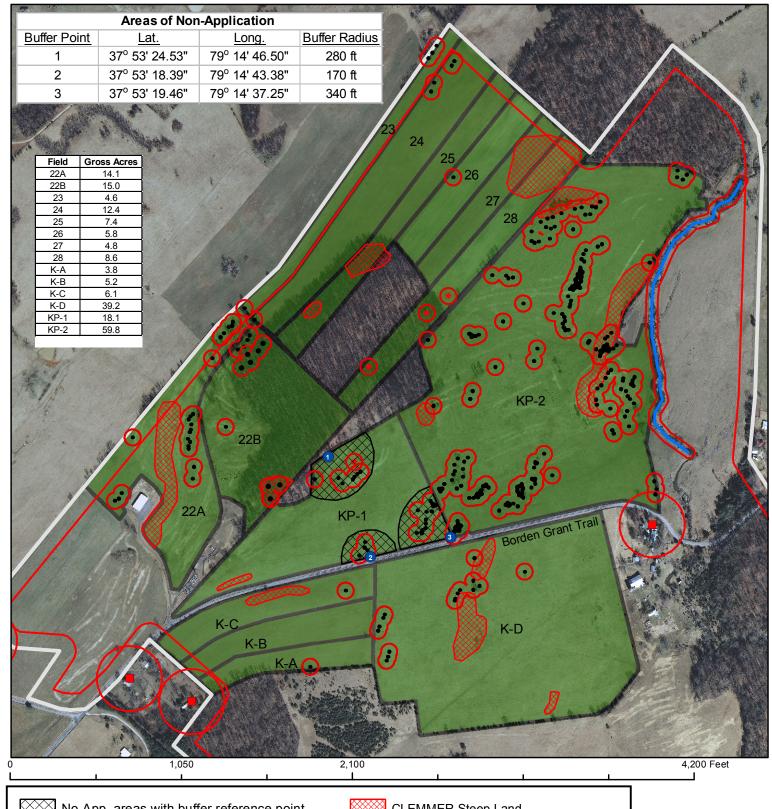
Site: CLEMMER

Owner: Richard and Janet Clemmer, Samuel Koogler,

Joseph Greene and Nellie Fitzgerald

Operator: Richard Clemmer

Site Map Fields 22 - KP-2



No-App. areas with buffer reference point

- CLEMMER Closed Sinkholes (50 ft buffer)
- CLEMMER Wells (100 ft buffer)
- CLEMMER Houses (200 ft buffer)
  - CLEMMER Streams (100 ft buffer, 35 ft vegetated)

**CLEMMER Steep Land** 

- CLEMMER Rocks (50 ft buffer)
- CLEMMER Property Lines (100 ft buffer)
- - **CLEMMER Fields**





Approximate field center using AcrGIS software Current Мар Permitted Modification Latitude Site Name & Number Field ID\* Longitude Site Type DEQ Control ID Acres Acres Total Acres Landowner Name (Decimal Degrees) Tax Parcel ID CLEMMER 01 Decimal Degrees) (Ag, Forest, etc) 1 51163-00107-0000 5.8 Proposed Crop(s) 5.8 The Greene Farm, LLC 39-A-121 CLEMMER 02 37,907 -79.261 Agricultural 2 51163-00108-0000 6.7 hay/pasture 6.7 The Greene Farm, LLC 39-A-121 CLEMMER 03 37.907 -79.260 Agricultural 3 51163-00109-0000 5.8 hay/pasture 5.8 The Greene Farm, LLC 39-A-121 CLEMMER 04 37.906 -79.260 Agricultural 4 51163-00110-0000 7.9 hay/pasture 7.9 The Greene Farm, LLC 39-A-121 37.906 CLEMMER 05 -79.259 Agricultural 5 51163-00111-0000 18.0 hay/pasture 18.0 The Greene Farm, LLC 39-A-121 CLEMMER 06 37.904 -79.259 Agricultural 6 51163-00112-0000 6.0 hay/pasture 6.0 The Greene Farm, LLC 39-A-121 CLEMMER 07 37.906 -79.257 Agricultural 7 51163-00113-0000 2.3 hay/pasture 2.3 The Greene Farm, LLC 39-A-121 CLEMMER 08 37.903 -79.256 Agricultural 8 51163-00114-0000 4.0 hay/pasture 4.0 The Greene Farm, LLC 39-A-121 LEMMER 09 37.903 9 51163-00115-0000 -79.257 Agricultural 4.9 hay/pasture 4.9 The Greene Farm, LLC, James R. and Janet R. Clemmer 39-A-121, 39-A-121A LEMMER 10 37,902 10 51163-00116-0000 -79.257 Agricultural 4.7 hay/pasture 4.7 The Greene Farm, LLC, James R. and Janet R. Clemmer 39-A-121, 39-A-121A LEMMER 11 37.902 -79.256 Agricultural 11 51163-00117-0000 4.2 hay/pasture 4.2 The Greene Farm, LLC, James R. and Janet R. Clemmer 39-A-121, 39-A-121A CLEMMER 12 37.901 -79.256 Agricultural 12 51163-00118-0000 5.0 hay/pasture 5.0 The Greene Farm, LLC 39-A-121 CLEMMER 13 37.905 -79.262 Agricultural 13 51163-00119-0000 5.3 hay/pasture 5.3 The Greene Farm, LLC 39-A-121 CLEMMER 14 37.904 -79.264 Agricultural 14 51163-00120-0000 5.1 hay/pasture 5.1 The Greene Farm, LLC 39-A-121 CLEMMER 15A 37.903 -79.264 Agricultural 15A 51163-00121-0000 5.1 row crop 5.1 The Greene Farm, LLC 39-A-121 CLEMMER 15B 37.902 15B 51163-00122-0000 -79.264 Agricultural 4.4 hay/pasture 4.4 The Greene Farm, LLC 39-A-121 CLEMMER 16A 37,903 -79.263 Agricultural 16A 51163-00123-0000 3.2 row crop 3.2 The Greene Farm, LLC 39-A-121 CLEMMER 16B 37.902 -79.263 Agricultural 16B 51163-00124-0000 1.9 hay/pasture 1.9 The Greene Farm, LLC 39-A-121 37.902 CLEMMER 17A -79.262 Agricultural 17A 51163-00125-0000 20.1 row crop 20.1 The Greene Farm, LLC 39-A-121 CLEMMER 17B 37.901 -79.261 Agricultural 17B 51163-00126-0000 16.5 16.5 hay/pasture The Greene Farm, LLC 39-A-121 37.899 CLEMMER 18A 18A 51163-00127-0000 -79.262 Agricultural 15.5 hay/pasture 15.5 The Greene Farm, LLC, Nellie V. Fitzgerald 39-A-121, 39-A-19 CLEMMER 18B 37.900 -79.265 Agricultural 18B 51163-00128-0000 13.8 hay/pasture 13.8 The Greene Farm, LLC, Nellie V. Fitzgerald CLEMMER 19 39-A-121, 39-A-19 37,901 19 51163-00129-0000 -79.267 Agricultural 4.4 hay/pasture 4.4 Nellie V. Fitzgerald 39-A-19 37.899 CLEMMER 20 20 51163-00130-0000 -79.268 Agricultural 3.9 3.9 hay/pasture Nellie V. Fitzgerald 39-A-19 CLEMMER 21 37.899 -79.269 Agricultural 21 51163-00131-0000 2.9 hay/pasture 2.9 Nellie V. Fitzgerald 39-A-19 CLEMMER 22A 37.898 22A -79.269 Agricultural 21.4 -7.3 hay/pasture 14.1 James R. and Janet R. Clemmer 39-A-72D CLEMMER 22B 37.890 22B -79.250 Agricultural 15.0 hay/pasture 15.0 James R. and Janet R. Clemmer 39-A-72D CLEMMER 23 37.891 -79.248 Agricultural 23 51163-00133-0000 hay/pasture 8.2 -3.6 4.6 lames R. and Janet R. Clemmer 39-A-72D CLEMMER 24 37.895 24 51163-00134-0000 -79.245 Agricultural 8.9 row crcp 3.5 12.4 James R. and Janet R. Clemmer 39-A-72D CLEMMER 25 37.894 25 51163-00135-0000 -79.245 Agricultural 4.7 2.7 hay/pasture 7.4 James R. and Janet R. Clemmer 39-A-72D CLEMMER 26 37.894 -79.244 Agricultural 26 51163-00136-0000 5.2 hay/pasture 4.9 10.1 James R. and Janet R. Clemmer CLEMMER 27 39-A-72D 37.893 27 51163-00137-0000 -79.245 Agricultural 4.6 3.2 hay/pasture 7.8 James R. and Janet R. Clemmer CLEMMER 28 39-A-72D 37.893 28 51163-00138-0000 -79.244 Agricultural 5.5 3.1 hay/pasture 8.6 James R. and Janet R. Clemmer 39-A-72D CLEMMER K-A 37.893 -79.243 Agricultural K-A 51163-00139-0000 3.8 3.8 Koogler-Southerington Associates II hay/pasture 40-A-12 CLEMMER K-B 37.887 -79.247 Agricultural K-B 51163-00140-0000 5.2 hay/pasture 5.2 Koogler-Southerington Associates II 40-A-12 LEMMER K-C 37.887 K-C 51163-00141-0000 -79.246 Agricultural 6.1 hay/pasture 6.1 Koogler-Southerington Associates II 40-A-12 LEMMER K-D 37.888 K-D 51163-00142-0000 -79.247 Agricultural 39.2 hay/pasture 39.2 Koogler-Southerington Associates II 40-A-12 LEMMER KP-1 37.887 -79.241 Agricultural KP-1 51163-00143-0000 18.1 row crop 18.1 Koogler-Southerington Associates II 40-A-12 CLEMMER KP-2 KP-2 51163-00144-0000 37.889 -79.246 Agricultural 59.8 hay/pasture 59.8 Koogler-Southerington Associates II 40-A-12 37.891 -79.242 Agricultural hay/pasture 39 369.1 21.5 329.4

<sup>\*</sup>The Map Field ID is used for readability on maps, the Site Name and Number is used for reporting purposes.